

# **APPENDIX G. EMERGENCY SPILL PLAN**

## **1. PREVENTION AND READINESS**

In their vehicles, crew leaders will carry copies of this spill plan, the herbicide labels and MSDSs for the herbicides, surfactants and dyes being used. They will also carry a vehicle spill kit having the contents specified at the end of this appendix.

## **2. PROVIDE FOR CARE OF INJURED OR CONTAMINATED PERSONNEL**

Immediately determine if any personnel are injured or contaminated. Assist with first aid of injured or contaminated personnel. Remove injured or contaminated personnel from the spill site to an area safe and free of pesticides.

If eyes are contaminated with pesticide, give first priority to washing them out, using portable eyewash bottles, or if these are unavailable, wash with any clean water. Remove contaminated clothing from affected individuals, and wash pesticides off skin with detergent and clean water. If any pesticides have been ingested, see the Material Safety Data Sheet for specific first aid measures.

Immediately seek medical assistance for injured and contaminated personnel. Do not leave contaminated individuals alone unless essential to secure aid. If necessary, direct a third person to stay with the injured until a physician takes charge and has been advised of the actual or possible pesticide exposure.

Watch for the following symptoms of pesticide poisoning: Eye irritation, skin irritation, discomfort or pain in stomach or intestinal area, dizziness, headache, nausea, vomiting, diarrhea, slurred speech, muscle twitching or convulsions, or difficulty in breathing.

## **3. SPILL IDENTIFICATION**

Determine product name for chemical or chemicals spilled and check the label and Material Safety Data Sheet for immediate hazards.

Extinguish all flames and possible ignition sources and stop any smoking by personnel in case chemicals are flammable.

Isolate the contaminated area and keep unnecessary persons away from the spill site.

## **4. NOTIFY AND INFORM**

District Pesticide Coordinator:

Jim Wentworth at (706) 745-6928 ext. 107

Forest Pesticide Coordinator:

Francine Cruz, telephone: (770) 297-3065

District Safety Officer:

Nick Peters, telephone (706) 745-6928 ext. 135

Forest Safety Officer

Francine Cruz, telephone: (770) 297-3065

Speak directly with at least one of the above personnel, in order or priority, and inform as to:

- a. Chemical Name and Brand Name
- b. Location of Spill
- c. Compartment and Stand Number
- d. Nearest Road Name and Number
- e. Size or Volume of Chemical Spilled

## 5. CONTAIN THE SPILL

Contain the spilled pesticide. Keep spill from entering streams, drains, wells, ditches, or other water systems.

Wear appropriate and approved protective clothing, including rubber or nitrile gloves, safety glasses, or goggles, overalls or rain suit, rubber boots or overshoes, or a respirator if extra protection is needed.

Prevent further leakage from containers by repositioning them so that the damaged part of the container is above the level of the containers, or by applying rags, tape, or other materials at hand to temporarily seal the leak.

Separate leaking containers from undamaged containers. Flag off the area and post warning signs to keep unprotected personnel from entering.

Confine the spill to prevent it from spreading. Encircle the spill area with a dike of sand or other absorbent material. Rags or similar material may be used if necessary. If spilled material may flow toward sensitive areas, divert it by ditching.

If the soil involves a small watercourse, dam it to confine the spill if possible. If available, activated charcoal may be used to filter contaminated water. For larger waterways, a log boom or baled straw may be used to contain the spill. Dam or divert the flow of clean water around the spill if possible. Some pesticides (such as glyphosate) may be inactivated by muddying the water.

If a liquid pesticide is spilled on land, cover the spill with absorbent material (kitty litter). If the spilled pesticide is in a dry formulation, cover it with a secured plastic tarpaulin to prevent it from becoming wet or being blown away. Contained materials must be reused if possible, or disposed of as toxic waste.

Do not flush contained or spilled pesticides into ditches, sewers, drains, or off of a road, since this will further spread the chemical.

Small spills require use of vehicle spill kits. Large spills may require the use of a dozer and or additional items from the storage facility spill kit.

## SUMMARY OF CLEAN UP STEPS

### DRY SPILLS

1. Cover powder or dust chemicals with a tarpaulin to prevent it from becoming airborne. A fine mist may also dampen the chemical to reduce spreading. Too much water may dissolve the chemical. Use caution.
2. Sweep the material together as the tarp is rolled slowly back.
3. Shovel the material into plastic bags or drums.
4. Seal the bags and label them, identifying the pesticide and other contents.
5. Store the containers of material in the pesticide storage building until the content can be evaluated for disposal or re-used in a manner consistent with labeling.

### LIQUID SPILLS

1. Pump or bail as much of the spilled liquid as possible into containers.
2. Use absorbent material, such as commercially bagged clay, kitty litter, or sawdust to soak up the spill. Use only enough material to absorb the spill. Begin spreading the absorbent material around the edge of the spill, and work toward the center.
3. Shovel the absorbent material and pesticide, along with any contaminated soil, into leak proof containers.
4. Label all containers.
5. Store the containers in the pesticide storage building until the contents can be evaluated for disposal or re-use in a manner consistent with labeling.

### LIST OF OTHER KEY PERSONNEL AND AGENCIES

Georgia Emergency Services: 1-800-338-6745

Union General Hospital (Blairsville): (706) 745-2111

Fannin Regional Hospital (Blue Ridge): (706) 632-3711

Chestatee Regional Hospital (Dahlonega): (706) 864-6136

North Georgia Medical Center (Ellijay): (706-276-4741

Poison Control Center (800) 222-1222

Local Fire Departments 911

**RECOMMENDED PESTICIDE SPILL KIT CONTENTS**

<b>Storage Facility Kit</b>	<b>Vehicle Kit</b>
4 pairs of nitrile gloves	2 pairs of nitrile gloves
2 pairs non-vented goggles	1 pair of non-vented goggles
1 respirator and cartridge (chemical resistant)	1 pair of rubber or neoprene boots
2 pairs of rubber or neoprene boots or overshoes	1 shop brush or whisk broom
2 pairs of overalls or rain suits	6 polyethylene bags with ties
1 roll of flagging or engineers tape	1 pint liquid detergent
1 dust pan	1 polyethylene or plastic tarp
1 shop brush or whisk broom	10 blank labels
1 dozen polyethylene bags with ties	1 ABC type fire extinguisher
1 quart liquid detergent	30 lbs. absorbent material(kitty litter)
1 polyethylene or plastic tarp	2 eyewash bottles (filled)
10 blank labels	1 round point shovel
1 ABC type fire extinguisher	1 roll of flagging
80 lbs. absorbent material (kitty litter)	1 roll of duct tape
1 30-gallon plastic garbage can with lid (use for cleanup, and transport)	1 30-gallon plastic garbage can with lid (use for cleanup, and transport)
1 roll of duct tape	
1 square point D handle shovel	